



Tring Hertfordshire HP23 6AP

Telephone Tring 4181/2/3

Sub-department of Ornithology

Your reference

Our reference

Date 27. 12. 79

Dear Dr. Howard,

My colleague and I, having been unable to take part in a more general tribute had felt it appropriate to dedicate this recent portion of our work to you, in recognition of your contributions to avian paleontology.

With best wishes ,

Yours sincerely,

Colin Harrison

Dr. Howard
with the authors' compliments

Colin Harrison
Cyril Walker.

TERTIARY RESEARCH SPECIAL PAPER

Number 5

STUDIES IN TERTIARY AVIAN PALAEOLOGY

by

C. J. O. HARRISON and C. A. WALKER

Dr. HILDEGARD HOWARD FESTSCHRIFT VOLUME

**Dr. W. Backhuys, Publisher
Rotterdam, 1979**

Dr. HILDEGARD HOWARD

The year 1979 sees the 80th birthday of one of our most eminent avian palaeontologists, Dr. Hildegard HOWARD, Chief Curator Emeritus, of the Department of Science of Los Angeles County Museum. Dr. Howard has contributed continuously to palaeontology since she published her first paper on fossils in 1923. Her major contribution has been a long series of studies of material from the Pleistocene asphalt beds of Rancho La Brea; but workers on Palaearctic bird fossils perhaps know her better for her work on new species of Bony-toothed birds, Odontopterygiformes, including *Osteodontornis orri*, the most complete specimen of all; her description of the first of the long-legged water birds now constituting the family Presbyornithidae; and her review of the fossil Anseriformes. We would like to celebrate this occasion by dedicating to her these papers, in respect and admiration.

Colin J. O. Harrison – Cyril A. Walker

Xmascard
Thank you

July 16, 80

Dear Hildegard -

We were so very happy
to hear of your Scientist of
The World Award and The
Rosemore Award and wish
to send you our Congratulations.

The Museum, Henry and
all of your friends are most
proud of you.

I am recovering from a
successful major operation -
each day feeling stronger.

On the Fourth it was
good to hear news of friends
and family -

Love

Gloria and Norman



September 3, 1980

Dear Mr. & Mrs. Henry Wylde:

On 15 September 1980 the Natural History Museum will publish a book entitled "Papers in Avian Paleontology Honoring Hildegarde Howard." This volume is the result of the efforts of many paleontologists from around the world to honor an exceptionally distinguished colleague and friend.

On Monday, 22 September 1980, the Natural History Museum will hold an informal presentation reception for Dr. Howard. We cordially invite you to attend this reception and join with us in honoring Dr. Howard and her many scientific achievements. We hope as many of her old friends and colleagues as possible may attend in order to help us make this a most festive occasion. The reception will be held in the Main Foyer from 2:00 to 4:00 p.m.

Please RSVP - (213) 744-3321.

Sincerely yours,

Kenneth E. Campbell
Curator
Vertebrate Paleontology

KEC:dc

William B. Lee, *Director*
Leon G. Arnold, *Assistant Director*

NATURAL HISTORY MUSEUM LOS ANGELES COUNTY

Los Angeles County Museum of Natural History • 900 Exposition Boulevard • Los Angeles, California 90007 • tel (213) 744-3414
George C. Page Museum • Hancock Park • 5801 Wilshire Boulevard • Los Angeles, California 90036 • tel (213) 933-7451

NATURAL HISTORY MUSEUM

OFFICE OF THE DIRECTOR



September 9, 1980

Dr. Kenneth E. Campbell, Curator
Vertebrate Paleontology
Natural History Museum
Los Angeles County
900 Exposition Boulevard
Los Angeles CA 90007

Dear Dr. Campbell:

I am delighted to hear that the Museum is having a reception for Dr. Howard. Unfortunately, I will be in Europe on the twenty-second and will be unable to attend.

I am very sorry that I won't be able to be there because I have always considered Dr. Howard to be not only an exceptional scientist but also a great human being. Some of my most enjoyable moments in the museum world were spent during the time that I worked for Dr. Howard. Believe it or not, I even enjoyed the lessons I got from her on adhering to a budget.

Be sure and extend my and my wife's regards to Hildegard, and tell her how sorry we are that we can't be present at this momentous occasion.

Sincerely yours,

Charles A. McLaughlin, Ph.D.

CAM/sc

THE SIMROE FOUNDATION
5151 EAST HOLMES STREET
TUCSON, ARIZONA 85711

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GEORGE GAYLORD SIMPSON
PRESIDENT
ROBERT L. WRENN

19 September 1980

Dr. Hildegarde Howard
2045Q Via Mariposa East
Laguna Hills, California 92653

Dear Hildegarde:

Kenneth Campbell has invited me to the reception for presentation of the Festschrift to you on 22 September 1980. Unfortunately I cannot make it, so I am writing instead.

I do not so much congratulate you, as I congratulate all of us for your work and influence on our science. You were already an outstanding woman paleontologist and outstanding paleornithologist when there were few of either.

My bit in the Festschrift is hardly worthy of you, as I am not really a paleornithologist but just in my limited way a sort of paleospheniscologist (when not being a paleomammalogist). Anyway I did, and do, want to join in this form of honoring you. I prize my acquaintance with you, although I have seen too little of you for some years now.

Cordially,



George Gaylord Simpson

GGG/bf

UNIVERSITY OF CALIFORNIA, BERKELEY

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DEPARTMENT OF PALEONTOLOGY

BERKELEY, CALIFORNIA 94720

September 23, 1980

Dr. Hildegarde Howard
Museum of Natural History
900 Exposition Boulevard
Los Angeles, California 90007

Dr Hildegarde:

The type of Phalacrocorax femoralis is at Berkeley -
UCMP No 33400, locality V 3430.

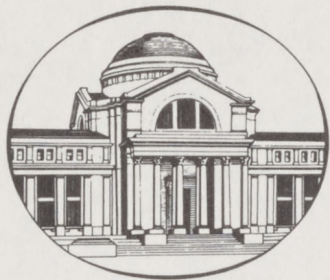
It was a great pleasure for both Jane and me to be
at yesterday's ceremony! It was a gracious thing for the Museum to
do for you, and so richly deserved.

We enjoyed the chance to see some of the changes at
the Natural History Museum and especially to see a good many old
friends who do not come our way very often.

Best wishes to you and Henry; we hope there will be another
occasion to visit you before long.

Sincerely,

Joseph T. Gregory



National Museum of Natural History

SMITHSONIAN INSTITUTION • WASHINGTON, D.C. 20560

24 Sept 1980

Dear Hildegarde,

Congratulations on the Festschrift. For all of Ken's woes along the way, the ultimate product is one we can all be proud of. I'm glad you are well and alert as ever to be able to enjoy the honor you so richly deserve.

Stom

Campbell

2045-Q Via Mariposa East
Laguna Hills, Calif. 92653
September 25, 1980

Dear Ken:

I must come down to earth atlast! And try to thank you for the tremendous amount of work you put in bringing to fruition this Festschrift! THANK YOU.

So far I have read both of your papers, the three turkey papers and Storrs' on the new plotopterid. Of course Steadman's will require a lot more study to get all the details. What a job! How did he ever do it? How did you ever edit it?! Incidentally, with your "magnifica" vs "magnificens" in mind--isn't it strange that "gallopavo" seems to be feminine? It is used throughout with Meleagris yet all subspecies have the "a" ending. I never thought of it before.

I am glad to see the Itchtucknee River avifauna brought upto date. Isn't it strange that neither here nor at Rancho La Brea was the Passenger Pigeon well represented?

By next Thursday I will be able to report in person having read most(?) of the other papers.

Not only was the Festschrift wonderful, Ken, but the party was a great success as far as I was concerned. So many friends I had not seen for so long. I suppose the Alliance or the Docents had some part in this and I would appreciate knowing the names of the persons to write to.

Again, thank you!

Sincerely,

Hayden



THE UNIVERSITY OF KANSAS · LAWRENCE, KANSAS · 66045

MUSEUM OF NATURAL HISTORY

October 1, 1980

Dr. Hildegarde Howard
2045Q Via Mariposa East
Laguna Hills, California 92653

Dear Hildegarde:

Yesterday I had opportunity to examine "Papers in Avian Paleontology / Honoring Hildegarde Howard" No. 330 (260 pp.) of Contributions in Science, Natural History Museum of Los Angeles County, 15 September 1980. Inclusion of the figures on pages xxviii-xxxviii enhances the otherwise splendid volume and guarantees its continuing usefulness down through the years. Of all the photographs I think I like best the one in the left hand column of page xiii taken in 1951.

This letter is to congratulate you on being so handsomely honored.

Sincerely,

E. Raymond Hall

ERH:ek1

*Sent Christmas greeting & thanks for this letter
addressed to him but with many
included in greeting inside
Dec 14, 1980*

Simmons

2045-Q Via Mariposa East
Laguna Hills, California 92653
October 4, 1980

Dear George:

Thank you so much for your good letter of September 19, and for participating in the Festschrift.

As you have no doubt seen (I trust you have your copy of the Festschrift by this time), your paper, appropriately, is first of the nineteen papers. I was interested in your tables comparing "first appearances" and "survivors" among avian and mammalian families. When doing the section on Aves for the Encyclopedia of Paleontology (1979) I was impressed with the large numbers of recent superfamilies and orders (I didn't break them down to families) that can be traced back to Cretaceous and Eocene beginnings.

Regarding your comment about the passeriform vs non-passeriform occurrences. I wondered whether among mammals the smaller rodents might not follow a similar pattern. Not only are small passeriform and rodent bones less likely to be preserved, but they are more difficult to differentiate. Some of my archaeological friends have even sent me rodent bones for identification, thinking they were birds!

Your letter reached me just before the Museum reception, so I felt that you were in attendance in spirit. I enjoyed greeting many friends whom I had not seen for some time, and felt so very honored by all the speeches!

Thank you again for your letter and your article.

Sincerely,

Hildegard Howard

015m

2045-Q Via Mariposa East
Laguna Hills, Calif. 92653
October 5, 1980

Dear Storrs:

Tonsala hildegardae! That's really great! Everyone calls me by my first name--now it is immortalized. Thanks so much, Storrs.

The Festschrift is wonderful. And I am reading, reading, reading. And now the mail brings me more papers from you, so I will be reading still more. I am anxious to get into your flamingo and Presbyornis papers. I hope Pat Rich contacted you about the flamingoes before she put the finishing touches on the flamingo paper she is doing with Harrison.

Regarding the turkey papers in the Festschrift-- they bring to mind the fact that I used (for my Parapavo paper) a large collection of turkey bones from USNM. The M. gallopavus bones were numbers 288402, 288403, 288404 and 289448. There were several bones under each number. I seem to remember that some years later Alex told me these bones were from an Indian site. If so Steadman and Rea, and McKusick might like to know this (perhaps they already do). Would you be good enough to check these numbers for me and give me the data?

I am glad Steadman made this big study of the turkeys. And he is undoubtedly right about all belonging to the same genus (after the Miocene).

Thank you for your congratulatory note, for Tonsala, and also for being on the review committee for the Festschrift.

Sincerely,

Hildegarde

2045-Q Via Mariposa East
Laguna Hills, Calif. 92653
October 11, 1980

Dr. Alan Feduccia
Department of Zoology
University of North Carolina
Chapel Hill, North Carolina 27514

Dear Alan:

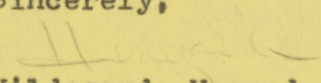
I want to thank you for your contribution to the Festschrift, and also for being on the review committee for the volume. That in itself was a time-consuming undertaking.

The Burhinus description is of especial interest to me, not only because of my previous record from New Mexico, but because the species name is the one that Alex suggested. I feel, now, that Alex had a part in the Festschrift.

Also I am delighted to receive--via Storrs--copies of your two papers with him, one on the flamingoes, the other on Presbyornis. Alan, have you ever had the opportunity to study Apatornis? You know when I studied "Telmabates" I noted certain characters which I thought were similar to those of Apatornis. I wish you and Storrs would go over Apatornis in detail and see where it belongs, and whether Presbyornis could have come from that line.

With all good wishes to you for many more fine papers,

Sincerely,


Hildegard Howard

2045-Q Via Mariposa East
Laguna Hills, Calif. 92653
October 22, 1980

Dr. Amadeo M. Rea
Natural History Museum
Balboa Park
San Diego, California 92112

Dear Amadeo:

I have delayed writing to thank you for contributing to the Festschrift, wanting to go through your article carefully and be able to comment.

Regarding the "lost" turkey bones from Dark Canyon Cave--I checked my records and find that there were only two. In the list Lyn sent with the bones they are given as:
"112 D C Meleagrine. Phalanx 1, digit 2, damaged
112 D C Meleagrine. Vertebra, juvenile"
The phalanx was returned to Lyn, the vertebra went to Mr. Balgemen who wanted a representative collection.

Later Lyn wrote me about his difficulty in locating much of his material when he moved from Globe to Prescott. It seems that shortly after informing the Park Service of his new work at Prescott College he had to be away for a week. When he returned to Globe he found that the Park Service had "packaged, boxed, sealed and stored everything they considered I had a claim to, even xeroxing my private catalogs for their records; all without my knowledge to say nothing about permission." All he could do was to wait until he could unpack at Prescott. He said there were many items he still had not found.

It is interesting that you find the turkey at Shelter Cave to be M. crassipes, while that at Conkling Cavern is M. gallopavo. We always considered Conkling Cavern to have the older fauna.

I was glad to get more information concerning Burnet Cave--which I gather is what we have called "Rocky Arroyo" (reported on by Wetmore in 1932). The fact that a difference can be observed between the bones of the upper and lower levels should solve some questions I have had regarding the condor and vulture bones.

Apart from caves and turkeys, I see you are giving Bob Chandler some good advice. He wrote me about his albatross humerus. It would be too bad for him to start out by getting a reputation for "jumping the gun" in describing species on insufficient evidence.

With all good wishes, and thanks for the fine contribution to the Festschrift,
Sincerely

Hildegarde Howard

MacKusick

2045-Q Via Mariposa East
Laguna Hills, Calif. 92653
October 27, 1980

Dear Charmion,

I have delayed writing to thank you for contributing to the Festschrift until I could get information from the National Museum as to the turkey bones I used in my study of Parapavo years ago.

When I started my study of Parapavo, I needed a good collection of Meleagris bones, and this the Smithsonian provided. It wasn't until some years later that Dr. Wetmore told me that these bones were from Indian sites. Now, thanks to Storrs Olson's inquiries I have the data on the source of the bones.

Many of them, bearing USNM numbers 288402, 288403 and 288404, came from Hawikuh Pueblo, 17 miles southwest of Zuni, New Mexico. They were collected in 1917 by F. W. Hodge on a Bureau of Ethnology expedition. They were labelled Meleagris gallopavo.

Others, bearing number 289448, were called M. g. merriami and were from prehistoric ruins in Bandolier National Monument, Puye Mesa, New Mexico. These were collected by Dr. E. L. Hewitt in 1910. This latter site might be near some of these you show on your map. But I don't see any near Zuni.

You probably have had enough of turkeys by this time, but I would be interested to know your opinion of these sites. I should have run down this data long ago and gotten it to you or Lyn.

Bringing together these several papers on turkeys, in the Festschrift is very worthwhile. I certainly thank you for your participation.

With all good wishes,

Sincerely,

Hildegarde Howard

2045-Q Via Mariposa East
Laguna Hills, Calif. 92653
October 29, 1980

Dr. David W. Zsteadman
Paleoenvironmental Laboratory
Department of Geosciences
University of Arizona
Tucson, Arizona 85721

Dear David:

Your turkey paper is a great contribution. And I thank you for submitting it to the Festschrift. This analysis of the turkeys has been needed for a long time. The similarities between Meleagris and Agriocharis have resulted in shunting the Pleistocene fossils back and forth, depending, no doubt, on the comparative material at hand.

Your analyses of the fossils, element by element, and by localities, with the accompanying tables, are exceptionally valuable. This is a work that will be referred to over and over again.

You may be interested to know that the 300 or more Meleagris bones that I used for comparison in the Parapavo study came from Indian sites in New Mexico:

Prehistoric ruins in Bandolier National Monument,
collected by Hewitt in 1910

Hawikuh Pueblo, southwest of Zuni, collected by

Hodge on a Bureau of Ethnology expedition in 1917.

I didn't have this information when I used the bones. I just asked for comparative material from USNM and these were sent. Only later did I learn that they were (in part, at least) prehistoric. Just recently, thanks to Storrs Olson, I got the definite data.

With best wishes, and again thanks for contributing.

Sincerely,

Hildegard Howard

THE CALIFORNIA CLUB
LOS ANGELES

20 Nov. 1980

Dear Hildegard,
This is just to say that
I have arrived here, I
hope to see you soon. Do
come here for lunch one day
with Henry. I plan to
stay till the middle of
April. I am not too much
worse...

My best regards to
both of you

Jeau

Mr A. R. McEvey,
Curator, Ornithology Dept.,
National Museum of Victoria,
71 Victoria Crescent,
ABBOTSFORD, VIC., 3067.
AUSTRALIA.

ARM:LM

26 November 1980

Dear Dr Howard,

I have just received, with delight, my copy of "Papers in Avian Paleontology Honoring Hildegarde Howard", and would like to tell you that I have felt it both an honour and a privilege to have been associated with one of the contributions to this publication in recognition of your work.

I have been an admirer of your standards since the happy day in 1963 when Prof Alden H Miller kindly gave me excellent reproductions of your "Emeryville Shellmound" illustrations that have remained my constant reference.

I trust you are well and wish you continued achievement in the years to come.

I am, Dr Howard,
Yours sincerely,

AR McEvey

A. R. McEvey,
Curator of Birds.

Dr Hildegarde Howard
2045-Q Via Mariposa East
LAGUNA HILLS CA 92653
USA

*Ans. Dec. 4, 1980
handwritten on
envelope paper*

TO OPEN SLIT HERE FIRST

BY AIR MAIL

PAR AVION

AEROGRAMME

MELBOURNE
27 NOV
4 9 30 PM 4
1980
VIC 3000



Dr Hildegarde Howard

2045-Q Via Mariposa East

LAGUNA HILLS CA 92653

USA

COUNTRY OF DESTINATION

SENDER'S NAME AND ADDRESS

Mr A. R. McEvey,
Curator, Ornithology Dept.

National Museum of Victoria

285-321 Russell Street,

Melbourne, Victoria,

Australia. 3000

POSTCODE

SECOND FOLD HERE

FIRST FOLD HERE

FIRST FOLD HERE



write after that.

All the best

Tom, Pat, Lealllyn

MERRY CHRISTMAS AND A HAPPY
NEW YEAR to you both.

The Festschrift volume is a real
tribute to you, Hildegard —
and one very much deserved.
You've always been a model
to me — being a ♀, I follow
your footsteps somewhat —
but doubt I'll ever measure
up to your kind of work.

I'm going back to China in Jan.
and Feb. to work on a VP
technical dictionary and translation
service + birds as well. Will

ECHIDNA *Tachyglossus aculeatus*

Distribution: throughout Australia and Tasmania. The Tasmanian echidna is more furry, with shorter spines, than its mainland counterpart. *Feeds* exclusively on termites and ants by digging open nests with powerful claws. *Adult size* (males) about 40 cm; females slightly smaller. *Reproduction* is by egg laying. Eggs are laid singly and carried by the female in an abdominal pouch.

Drawing by Jane Burrell

TASMANIAN MUSEUM AND ART GALLERY
HOBART, AUSTRALIA

MERCURY-WALCH

Species named for Hildegarde

Branta howardae Miller 1930 Pliocene goose

Palaeoborus howardae Wetmore 1936 Miocene vulture

Gavia howardae Brodkorb 1953 Pliocene Loon

Telmabates howardae Cracraft 1970 Eoc. S,AM,

(now synonymized with *Presbyornis pervatus*)

Paracathartes howardae Harrison 1979 Eoc.Wyo.

Ardea howardae Brodkorb 1980 Pleisto Ethiopia

Tonsala hildegardae Olson 1980 Oligo. Washington

Podiceps howardae Storer ? not yet published

over

Protochrysomya howardae Pierce 1941
from Rancho La Brea (an insect buried Dipteran),
found in a Teratornis bone.

Later reassigned to modern genus & species
Cochliomyia macellaria (Fabricius)
by R. J. Gagne So Cal Acad Sci Bull 1981
80(2) 95-96.